J. E. LINDSAY.

HOSE AND GARMENT SUPPORTER.

APPLICATION FILED DEC. 16, 1916. RENEWED DEC. 11, 1918.

1,296,674. Patented Mar. 11, 1919.

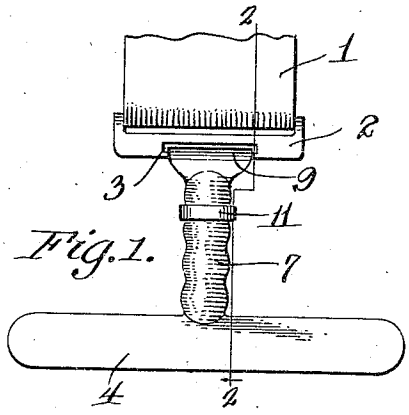


Fig. 1.

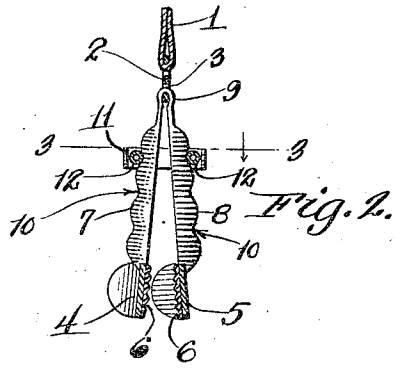


Fig. 2.

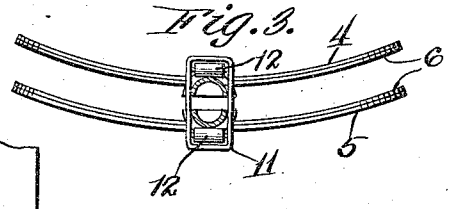


Fig. 3.

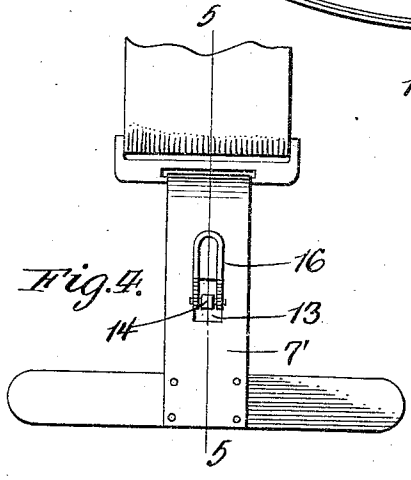


Fig. 4.

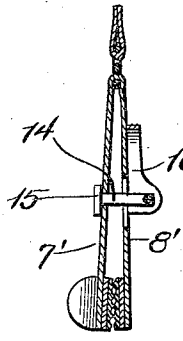


Fig. 5.

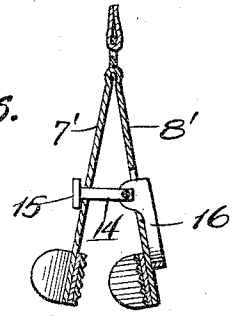


Fig. 6.

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HOSE AND GARMENT SUPPORTER.

1,296,674. Specification of Letters Patent. Patented Mar. 11, 1919.

Application filed December 16, 1916, Serial No. 137,394. Renewed December 11, 1918. Serial No. 266,309.

To all whom it may concern:

Be it known that I, JAMES E. LINDSAY, a citizen of the United States, residing at Selma, in the county of Grant and State of Louisiana, have invented certain new and useful Improvements in Hose and Garment Supporters, of which the following is a specification.

This invention relates to a hose and garment supporter and more particularly to an improved clamp for gripping the hose or garment whereby the same may be effectively supported without danger of injury being done to the garment.

One of the objects of the invention is to provide a clamp of this character having gripping jaws adapted to clamp a comparatively large portion of the hose or garment whereby the strain ordinarily associated with a supporting device of this character will be evenly distributed thereby diminishing the possibility of injury being done to the garment.

As a further object of the invention the clamp includes gripping jaws shaped to conform to the leg of the wearer so that no discomfort will be felt by reason of the large gripping surface of the jaws.

A further object of this invention is the provision of a hose and garment supporter which consists of comparatively few parts and is simple in construction, but durable and well adapted to withstand the rough usage to which devices of this character are ordinarily subjected.

For a full description of the invention and the advantages and merits thereof, reference is to be had to the following description and the accompanying drawings, wherein is illustrated the preferred form of my invention, in which;

Figure 1 is a side elevation.

Fig. 2 is a section on the line 2—2 of Fig. 1.

Fig. 3 is a section on the line 3—3 of Fig. 2.

Fig. 4 is an elevation of a modified form of the device.

Fig. 5 is a section on the line 5—5 of Fig. 4.

Fig. 6 is a view similar to Fig. 5 showing the gripping jaws in open position.

Referring to the drawing, wherein is illustrated the preferred form of my invention, and in which like numerals of reference indicate corresponding parts throughout the several views, the strap or tape 1 is employed in the usual manner for suspending the clamp in a position so that it may be conveniently attached to the garment. A supporting bar 2 is attached to the tape 1 and is provided with a slot 3.

Two comparatively long jaws 4 and 5 are constructed from elongated strips of metal or other suitable material and the proximate surface of each jaw carries a plate 6 of rubber or similar material, the same being provided with a series of corrugations or serrations whereby the garment may be effectively gripped when the jaws are moved together. As shown by Fig. 3 of the drawing, the jaws are of arcuate configuration so that they will adapt themselves to the curve of the leg of the wearer when the device is employed for supporting hose. This construction permits a relatively great portion of the garment or hose to be engaged by the clamp while, at the same time, the garment or hose will not be distorted since the curve of the jaws permits them to assume the natural shape of the garment or hose.

A pair of supporting arms 7 and 8 are formed by bending a strip of metallic material at a point intermediate its ends for providing a loop 9. This loop is engaged in the slot 3 of the bar 2 and the arms 7 and 8 are permitted to depend on each side and have their terminals integrally connected to the jaws 4 and 5. Each arm 7 and 8 is formed into a substantially semi-cylindrical shape and is then pressed inwardly at regular intervals along its length so that each arm is provided with a series of annular depressions 10 for a purpose presently described. After the strip is bent for forming the arms 7 and 8, the loop 9 is suitably temperatured or hardened for forming a spring whereby the arms 7 and 8 will normally be held in open position as shown by Fig. 2 of the drawing.

Extending around both of the arms 7 and 8 is a ferrule 11 of substantially rectangular configuration as clearly shown by Fig. 3 of the drawing. Extending transversely across each end of the ferrule is a pin upon which is rotatably mounted a roller 12. These rollers are normally in engagement with the end one of the annular depressions 10.

To apply the jaws to a garment it is merely necessary to place a portion of the garment between the plates 6 whereupon the

ferrule 11 will be pressed downwardly, the rollers 12 forcing the arms 7 and 8 together until the garment is tightly gripped. Upward slipping of the ferrule is effectively prevented by virtue of the rollers disposed in the annular depressions 10.

Referring to Figs. 4, 5 and 6 of the drawing it will be observed that the arms 7′ and 8′ are formed from flat strips of material and the arm 8′ has a slot 13. A connecting rod 14 has its end projected through an opening in the arm 7′ and its terminal is provided with a head 15 for limiting the movement of the connecting rod through the opening.

Pivotally connected to the opposite end of the connecting rod is a locking latch 16 which has a large end through which a pin is projected for receiving the end of a connecting rod. When the locking latch 16 is extended downwardly as shown by Fig. 6 of the drawing the jaws are in open position. It is obvious, therefore, that when the latch is swung to the position shown by Fig. 5 of the drawing the jaws may be moved together for effectively gripping the edge of the garment.

I claim:

A garment supporter comprising a pair of elongated arcuate jaws, a pair of substantially semi-cylindrical supporting arms, each arm having a series of depressions extending around the semi-cylindrical arm, a ferrule embracing the arm and provided at each end with a roller adapted for reception in the said depressions.

In testimony whereof I affix my signature in presence of two witnesses.

JAMES E. LINDSAY.

Witnesses:

Dr. B. WORD,

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."